

## ABSTRACT

The present invention relates to a near-universal non-corrosive, non-toxic, environmentally safe and user friendly decontaminant capable of detoxifying  
5 organophosphorus (OP)-based G-type, V-type neurotoxic chemical warfare, sulfur-mustard, and related OP based hazardous industrial materials in a dry powder form. The decontaminant contains OPH enzyme, OPAA enzyme, DFPase enzyme, dehalogenase enzyme, quaternary ammonium salt, a pH control reagent, a fire-fighting agent, and a foaming agent. The decontaminant is mixed with available water for use.